


<b>Form PTO-1449 (Modified)</b>  <b>LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT'S INFORMATION DISCLOSURE STATEMENT</b> (Use several sheets if necessary)			Atty. Docket No. 71493-1180	Serial No. 10/612976
	Applicant SHIQUAN WU, ET AL			
	Filing Date July 7, 2003		Group	

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAM. INIT.	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROPRIATE

**FOREIGN PATENT DOCUMENTS**

FOREIGN PATENT DOCUMENTS													
		DOCUMENT NUMBER						DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
												YES	NO

**OTHER ART (including Author, Title, Date, Pertinent Pages, Etc.)**

AD	AA	3 <sup>rd</sup> Generation Partnership Project, TECHNICAL SPECIFICATION GROUP RADIO ACCESS NETWORK; SPREADING AND MODULATION (TDD) 25.223, (Release 1999), pages 1-29. ✓
AD	AB	3 <sup>rd</sup> Generation Partnership Project, TECHNICAL SPECIFICATION GROUP RADIO ACCESS NETWORK; SPREADING AND MODULATION (FDD) 25.213, (Release 5), pages 1-28.
AD	AC	Walker, H.R., Pegasus Data Systems; Middlesex, N.J., VSPK AND VMSK MODULATION TRANSMIT DIGITAL AUDIO AND VIDEO AT 15 BITS/SEC/HZ, 1997, pages 96-103.
AD	AD	Winters, Jack H., SMART ANTENNAS FOR WIRELESS SYSTEMS, Ieee Personal Communications, February 1998, pages 23-27. ✓
	AE	Foschini, G.J. and M.J. Gans, Wireless Personal Communications, ON LIMITED OF WIRELESS COMMUNICATIONS IN A FADING ENVIRONMENT WHEN USING MULTIPLE ANTENNAS, 1998, pages 311-335. ✓
	AF	Telatar, I. Emre, David N.C. Tse, CAPACITY AND MUTUAL INFORMATION OF WIDEBAND MULTIPATH FADING CHANNELS, Ieee Transactions on Information Theory Vol. 46 No. 4 July 2000, pages 1384-1400.
	AG	Chizhik, Dimitry et al, KEYHOLES, CORRELATIONS, AND CAPACITIES OF MULTIELEMENT TRANSMIT AND RECEIVE ANTENNAS, Ieee Transactions on Wireless Communications, Vol. 1, No. 2, April 2002, pages 361-368.
	AH	Gesbert, David and Jabran Akhtar BREAKING THE BARRIERS OF SHANNON'S CAPACITY: AN OVERVIEW OF MIMO WIRELESS SYSTEMS, University of Oslo, Telenor's Journal: Teletronikk. pages 1-9.
	AI	Bölcskei, Helmut, et al. ON THE CAPACITY OF OFDM-BASED SPATIAL MULTIPLEXING SYSTEMS*, Ieee Trans. Communications, final version Oct. 2001. pages 1-28. ✓
	AJ	Pollock, Tony S., et al, FUNDAMENTAL LIMITES OF MIMO CAPACITY FOR SPACIALLY CONSTRAINED ARRAYS. Australian Communication Theory Workshop Proceedings 2003, pages 1-6. ✓
AD	AK	Verdu, Sergio, FIFTY YEARS OF SHANNON THEORY. Ieee Transactions on Information Theory, Vol. 44, No. 6, October 1998. pages 2057-2078. ✓
AD	AL	Moustakas, Aris L. and Steven H. Simon, OPTIMIZING MULTI-TRANSMITTER-SINGLE RECIEVER (MISO) ANTENNA SYSTEMS WITH ARTIAL CHANNEL KNOWLEDGE, May 17, 2002 (draft). pages 1-34. ✓

AD	AM	Shannon, C. E., A MATHEMATICAL THEORY OF COMMUNICATION, Bell Systems Technical Journal, Vol. 27, 1948, pages 379-423.
	AN	Cover, T. M. and J. A. Thomas, ELEMENTS OF INFORMATION THEORY, Wiley, New York 1991.
	AO	Genack, A. Z., Europhy. Lett. 11,733, 1990. See Also A. Z. Genack in SCATTERING AND LOCALIZATION OF CLASSICAL WAVES IN RANDOM MEDIA, P. Sheng, ed., World ASScientific, Teaneck, N.J., 1990, page 207.
	AP	ADAPTIVE TIME DIVERSITY AND SPATIAL DIVERSITY FOR OFDM, Nortel Pending Patent, 2000.
	AQ	IS-2000-2, PHYSICAL LAYER STANDARD FOR CDMA 2000 SPREAD SPECTRUM.
Y	AR	Van Nee, Richard and Ramjee Prasad, OFDM FOR WIRELESS MULTIMEDIA COMMUNICATIONS, AH Artech House Publisher, 2000.
	AS	Shapira, J. and C. E. Wheatley, CHANNEL BASED OPTIMUM BANDWIDTH FOR SPREAD SPECTRUM LAND CELLULAR RADIO, Qualcomm, 1992.
	AT	TIA/EIA/IS-856-1, CDMA2000 High Rate Packet Data Air Interface Specification.
	AU	Dietrich, C. B., et al, SPATIAL POLARIZATION AND PATERN DIVERSITY FOR WIRELESS HANDHELD TERMINALS, Ieee trans on Antennas and Propagation, Vo. 49, No. 9, 2001.
	AV	Hayt Jr., William H., ENGINEERING ELECTRO-MAGNETICS, McGraw-Hill Inc., 1974.
AD	AW	Gilderbank, A. R. THE ART OF SIGNALING: FIFTY YEARS OF CODING THEORY, Ieee trans on Information Theory, Vol. 44, No. 6, 1998.
EXAMINER		DATE CONSIDERED
[Signature]		12/21/06

EXAMINER:

Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)	Atty. Docket No. 71493-1180	Serial No. 10/612,976
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	Filing Date July 7, 2003	Group 2681

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

EXAM. INIT.		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB CLASS	FIL. DATE IF APPROPRIATE
AD	AA	6,430,231	Aug 6, 2002	Calderbank et al.	375	295	
AD	AB	6,178,333	Jan 23, 2001	Feuerstein et al.	455	503	
AD	AC	6,356,528	Mar 12, 2002	Lundby et al.	370	209	

**FOREIGN PATENT DOCUMENTS**

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
AD	AD	1 185 001 A2	21.08.2001	EP	H04B	7/06		
AD	AE	0 969 610 A2	23.06.1999	EP	H04B	7/04		
AD	AF	0 771 084 A1	08.10.1996	EP	H04B	7/06		

**OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)**


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